Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Monday 19 Dec 2022 until 23:59 on Tuesday 20 Dec 2022

Forecast Issued on Monday 19 Dec 2022 at 02:06

Confidence: High for occasionally unsettled, particularly from Wednesday, but lowering for the detail of worst of conditions.

Headline for Monday 19 Dec 2022: Brighter spells and only a few scattered light showers.

Mountain weather hazards on Monday 19 Dec 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** Low Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability					
10%	20%	20%	20%	10%	10%

Forecast for Monday 19 Dec 2022

Weather: Mainly dry with clear then sunny spells, with only a few light showers appearing, most of these during the late morning and early afternoon. Showers turning wintry above around 700m from late afternoon.

Chance of cloud-free hill tops above 800m: 70-80%

Low cloud and visibility: Very good becoming moderate or poor in showers, very poor within cloud with bases occasionally lowering 500m, particularly as showers push through.

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Forecast for Monday 19 Dec 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	56/65 S	58/69 S	53/66 S	52/66 SW	43/55 SW	39/51 SW	36/46 SW
600	44/57 S	46/60 S	42/57 S	43/59 SW	35/49 SW	33/46 SW	29/41 SW
300	12/40 S	13/44 S	15/45 S	17/44 SW	14/39 SW	13/37 SW	11/34 SW
Valley	12/37 S	13/41 S	15/41 S	19/43 SW	14/35 SW	13/32 SW	11/29 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	8/2	8/1	7/0	7/0	3/-5	2/-6	2/-6
600	9/4	9/4	9/3	8/3	5/-2	4/-2	4/-3
300	10/7	10/8	10/7	10/6	7/4	6/3	6/2
Valley	10/8	12/9	12/9	11/7	9/6	8/5	8/5
Freezing Level*	2200m	2300m	2300m	2200m	1300m	1100m	1000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Severe wind chill across highest peaks.

Forecast for Tuesday 20 Dec 2022

Weather: Rather cloudy with frequent showers, falling as snow from around 800m, also turning heavy at times, bringing the risk of hail and thunder, particularly either side of mid-day.

Maximum wind: Southwest mean 35mph with gusts reaching 45 or 50mph across most exposed ridges and summits.

Chance of cloud-free hill tops above 800m: 60% for any given time but limited chance of prolonged periods given the showery nature of the flow.

Low cloud and visibility: Very good becoming moderate or poor in showers, very poor in snow and within cloud with bases frequently lowering 500m, chiefly as showers push through.

Temperature: **Valleys:** Plus 2 Celsius increasing 9 Celsius during the afternoon
At 800m: Zero or plus 1 Celsius
Freezing level: 800-900m

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Monday 19 December 2022 Location: Swirral Edge Catstycam Col at 13:30 Full report: A challenging day on the Lake District fells with a turbo thaw, strong winds and driving rain. A dramatic rise in the temperature at all levels has stripped the vast majority of snow and ice from the hills. A few isolated patches of snow still remain in sheltered hollows and gullies above 700m and there are still occasional patches of water ice on the paths but in general very little of winter has survived. Summit temperatures have risen by 10 degrees C in the last 24 hours. Heavy rain fell throughout most of the day and combined with the thaw meant that many rivers and becks rose dramatically making any river crossings problematical. The wind was also very gusty with speeds varying from zero to 60mph+ and vice versa in a few seconds. Conditions like today are far more challenging than the cold temperatures of the past week with a real risk of hypothermia even with good clothing and equipment. Full winter clothing (warm and waterproof) including hats and gloves, a map and compass as well as a headtorch are all essential for anyone venturing into the hills. Sunset is currently at 3:45pm so an early start is advised. Temperature: plus 8.2& C, Maximum wind speed 56.8 mph, Wind chill: minus 2.1 C, Average wind speed: 29.7 mph

Issued at: 02:06 on Mon 19 Dec 2022

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